

AMENDMENTS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

1. (Currently Amended) A method, comprising:
 - identifying attributes including one or more types of accents and one or more types of human languages from a multi-party audio information stream;
 - encoding each identified attribute from the audio information stream into a time ordered index, each of the identified attributes sharing a common time reference;~~and~~
 - comparing results from different human language models at approximately the same time to generate an integrated time ordered index of the identified attributes; and
 - triggering an event to occur upon an identification of unique voice characteristics of a speaker in less than five seconds.
2. (Original) The method of claim 1, further comprising:
 - comparing confidence ratings of the different human language models.
3. (Original) The method of claim 1, further comprising:
 - generating a transcript including each spoken word, wherein each spoken word shares the common time reference.
4. (Canceled)
5. (Currently Amended) A machine-readable storage medium that stores instructions, which when executed by a machine, cause the machine to perform operations comprising:
 - identifying attributes including one or more types of accents and one or more types of human languages from a multi-party audio information stream;

encoding each identified attribute from the audio information stream into a time ordered index, each of the identified attributes sharing a common time reference;

comparing results from different human language models at approximately the same time to generate an integrated time ordered index of the identified attributes; and

correlating a first identified attribute of the information stream with a second identified attribute having a similar time code, wherein the similar time code comprises the first identified attribute possessing a start time approximately the same as the second identified attribute or an overlapping of the durations associated with the first identified and the second identified attribute.

6. (Original) The article of manufacture of claim 5, further comprising instructions which cause the machine to perform further operations comprising:

generating a query on one or more of the identified attributes in the time ordered indexed.

7. (Previously Presented) The article of manufacture of claim 6, further comprising instructions which cause the machine to perform further operations comprising:

correlating a first identified attribute of the information stream with a second identified attribute having a similar time code.

8. (Original) The article of manufacture of claim 5, wherein the audio information stream comes from an unstructured information source.

9. (Original) The article of manufacture of claim 5, wherein the audio information stream includes audio-visual data.

10. (Original) The article of manufacture of claim 5, wherein the audio information stream includes speech data.

11. (Original) The article of manufacture of claim 5, wherein at least one of the identified attributes further comprises a change of accent.

12. (Original) The article of manufacture of claim 5, wherein at least one of the identified attributes further comprises a change of human language.
13. (Original) The article of manufacture of claim 5, wherein at least one of the identified attributes further comprises a discrete spoken word.
14. (Original) The article of manufacture of claim 5, wherein the identified attributes are encoded via extensible markup language.
15. (Original) The article of manufacture of claim 5, wherein the time ordered index includes a start time and a duration in which each identified attribute was conveyed.
16. (Original) The article of manufacture of claim 5, wherein the common time reference comprises a time indication.
17. (Original) The article of manufacture of claim 5, wherein the common time reference comprises a frame count.
18. (Canceled)
19. (Canceled)
20. (Original) The article of manufacture of claim 5, wherein the integrated time ordered index includes data from the different human language models.
21. (Currently Amended) An apparatus, comprising:
 means for identifying attributes including one or more types of accents and one or more types of human languages from a multi-party audio information stream;

means for encoding each identified attribute from the audio information stream into a time ordered index, each of the identified attributes sharing a common time reference;~~and~~

means for comparing results from different human language models at approximately the same time to generate an integrated time ordered index of the identified attributes; and

means for correlating a first identified attribute of the information stream with a second identified attribute having a similar time code, wherein the similar time code comprises the first identified attribute possessing a start time approximately the same as the second identified attribute or an overlapping of the durations associated with the first identified and the second identified attribute.

22. (Original) The apparatus of claim 21, further comprising:

means for generating a query on the one or more identified attributes in the time ordered indexed.

23. (Currently Amended) A machine-readable storage medium that stores instructions, which when executed by a machine, cause the machine to perform operations comprising:

converting spoken words in an information stream to written text, the information stream containing audio information;~~and~~

generating a separate encoded file for every word, wherein each encoded file shares a common time reference; and

generating a link to relevant material based upon the spoken words and synchronizing a display of the link in less than five seconds from analyzing the information stream.

24. (Canceled)

25. (Currently Amended) An apparatus comprising:

a software engine having one or more attribute filters to detect attributes from a multi-party audio information stream, identify the attributes, and assign a time ordered

indication with each of the identified attributes, the software engine having an index control module to facilitate an integrated time order indexing of the identified attributes; and

a computer readable storage medium to store the software engine; and
a manipulation module to perform operations on a first set of attributes in order to manipulate a second set of attributes.

26. (Original) The apparatus of claim 25, wherein the time ordered indication comprises a start time and a duration in which the attribute was conveyed.

27. (Original) The apparatus of claim 25, wherein the one or more attribute filters generate a time ordered index of the audio information stream in real time.

28. (Original) The apparatus of claim 25, wherein the audio information stream passes through the one or more attribute filters a single time.

29. (Canceled)

30. (Previously Presented) The apparatus of claim 29, wherein the first set of attributes comprises a section of transcribed text and the second set of attributes comprises video images having approximately the same time ordered indications as the transcribed text.

31. (Previously Presented) The apparatus of claim 25, further comprising:
a triggering and synchronization module to dynamically trigger a link and synchronize the appearance of the link based upon a transcribed text from the information stream.

32. (New) An apparatus comprising:
a software engine having one or more attribute filters to detect attributes from a multi-party audio information stream, identify the attributes, and assign a time ordered indication with each of the identified attributes, the software engine having an index

control module to facilitate an integrated time order indexing of the identified attributes;
~~and~~

a computer readable storage medium to store the software engine; and
a triggering and synchronization module to dynamically trigger a link and
synchronize the appearance of the link based upon a transcribed text from the information
stream.

33. (New) The apparatus of claim 32, wherein the time ordered indication comprises a start time and a duration in which the attribute was conveyed.

34. (New) The apparatus of claim 32, wherein the one or more attribute filters generate a time ordered index of the audio information stream in real time.

35. (New) The apparatus of claim 32, wherein the audio information stream passes through the one or more attribute filters a single time.

36. (New) The apparatus of claim 32, further comprising:

a manipulation module to perform operations on a first set of attributes in order to manipulate a second set of attributes.

37. (New) The apparatus of claim 36, wherein the first set of attributes comprises a section of transcribed text and the second set of attributes comprises video images having approximately the same time ordered indications as the transcribed text.